

This document is a part of Main Course File

Document No.: CFM – 8



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY
MANAGED

N. G. PATEL POLYTECHNIC

INFORMATION TECHNOLOGY

FORMAT FOR ASSIGNMENTS

Course Name (With Code):- Advance Java Programming (4351603)

Semester / Year: Fifth/Third

Assignment Number: 02

Assignment CO Number: 4351603.b

Part – A	Questions carrying 3 Marks
1	Explain JDBC architecture.
2	Give Advantages and limitations of JDBC
3	What are the JDBC API components?
4	What is ORM? Write advantages of it.
Part – B	Questions carrying 4 Marks
1	List JDBC Drivers. Explain different types of JDBC Driver.
2	Write a JDBC program that access Student table from database and display its all record. Columns are Student_Id, Student_Name and age.
3	Explain steps to get Database connection in a java program./ Explain steps for JDBC connection.
4	Write a JAVA program to insert a record in database.(Assume suitable database)
5	Write a JAVA program to delete a record in database. (Assume suitable database)
6	Explain steps to connect java program to MySql Database.

7	Explain steps to connect java program to MS-Access Database.
8	Develop a JDBC application that uses any JDBC driver to display all records (Assume suitable database)
9	Develop JDBC application that uses any JDBC drivers to update a record. (Assume suitable Database).
Part – C	Questions carrying 7 Marks
1	Develop a Graphical User Interface that performs the following SQL operations: a) Insert b) Delete c)Update
2	Discuss all types of JDBC Drivers.
3	Draw and explain the architecture of Hibernate. Write advantages of hibernate framework.
4	Write a Java program using JDBC to insert enrollment_number, name and age data into the 'student' table of the 'info' database using a prepared statement.
5	Develop an application to store, update, fetch and delete data of Employee (NAME, AGE, SALARY and DEPARTMENT) using Hibernate CRUD operations.
Prepared By: (Name of Faculty (ies)) with signature	Signature of Head of Department